



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.maimidade.gov/buildingcode

Sun Metals Systems, Inc.
5008 Tampa West Blvd.
Tampa, FL 33634

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series 450 Aluminum Window Wall System – S.M.I.

APPROVAL DOCUMENT: Drawing No. **SUN-450WW-SMI**, titled "Window Wall", sheets 1 through 6 of 6, dated 10/14/02 with revision 2 dated 5/27/08, prepared by RW Building Consultants, Inc., signed and sealed by Wendell W. Haney, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews** NOA # **03-0109.11** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 08-0605.06
Expiration Date: May 29, 2013
Approval Date: July 24, 2008
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **SUN-450WW-SMI**, titled "Window Wall", sheets 1 through 6 of 6, dated 10/14/02 with revision 2 dated 5/27/08, prepared by RW Building Consultants, Inc., signed and sealed by Wendell Haney, P.E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Small Missile Impact Test per FBC, TAS 201-94

along with marked-up drawings and installation diagram of an aluminum window wall, prepared by Certified Testing Laboratories, Test Report No. **CTLA-979W** dated 12/12/02, signed and sealed by Ramesh Patel, P.E.

(Submitted under previous NOA #03-0109.11)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004 and 2007, dated 6/2/08, prepared by RW Building Consultants, Inc., signed and sealed by Wendell W. Haney, P.E.
Complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

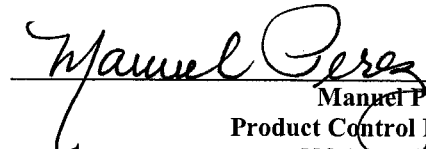
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex IIIIG Clear or colored Interlayer**" dated 05/04/06, expiring on 05/21/11.

F. STATEMENTS

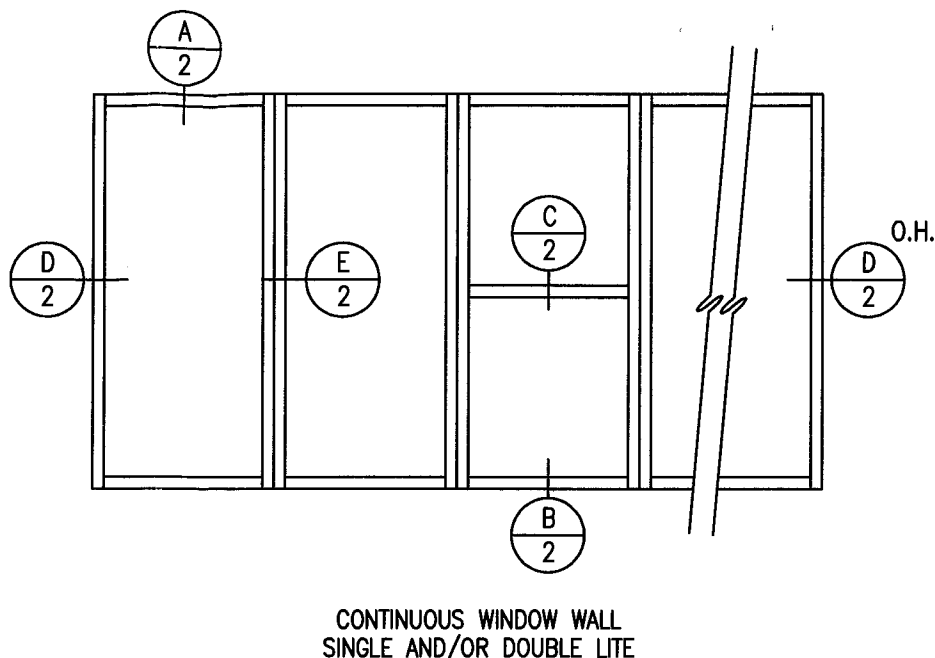
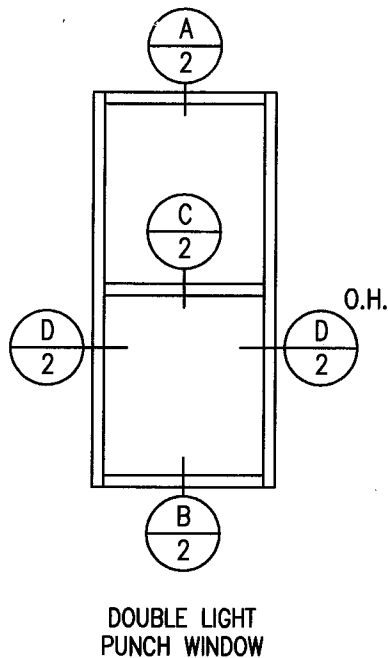
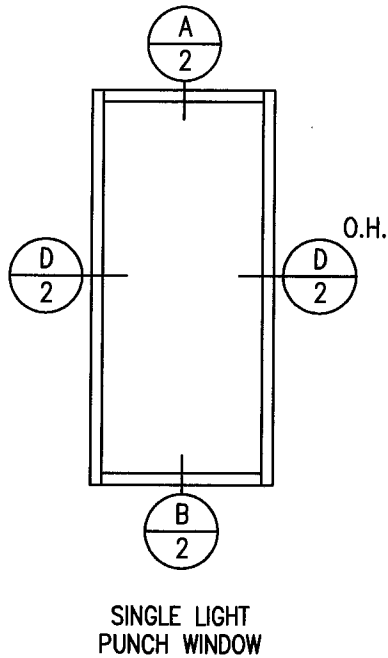
1. Statement letter of conformance and of no financial interest, dated May 30, 2008, signed and sealed by Wendell W. Haney, P.E.

G. OTHER

1. Notice of Acceptance No. **03-0109.11**, issued to Sun Metals Systems, Inc. for their Series "450" Aluminum Window Wall – S.M.I., approved on 05/29/03 and expiring on 05/29/08.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0605.06
Expiration Date: May 29, 2013
Approval Date: July 24, 2008

R:\A - Projects\Project Folders\Proj 000 -250\p153\Documents\SUN-450WW-SMI REV2 .25" SHIM\SUN-450 sm sht REV1-1.dwg, Model



OPTIONAL ELEVATIONS

GLAZING OPTIONS

SMALL MISSILE IMPACT RESISTANT - 9/16" LAMINATED
(INSIDE LITE, 1/4" HS / 2 EA. 0.030 SOLUTIA SAFLEX IIIIG PVB / OUTSIDE LITE, 1/4" HS)
FOR INSTALLATIONS ABOVE 30 FEET ABOVE GRADE. SHUTTERS ARE NOT REQUIRED
DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS
BELOW 30 FEET ABOVE GRADE

DESIGN PRESSURES:

+115 PSF
-115 PSF

TABLE OF CONTENTS

SHEET 1	NOTES AND GENERAL ELEVATIONS
SHEET 2	HORIZONTAL AND VERTICAL CROSS SECTIONS
SHEET 3	BILL OF MATERIALS AND COMPONENTS
SHEET 4	3/8" WOOD SCREWS ANCHORING ELEVATIONS
SHEET 5	5/16" SHEET METAL SCREWS ANCHORING ELEVATIONS
SHEET 6	5/16" TAPCONS ANCHORING ELEVATIONS

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
5. This product meets water infiltration requirements for "HVHZ".
6. Wood bucks by others must be anchored properly to transfer loads to the structure.
6. All steel in contact with aluminum to be painted or plated.

Documents Prepared By:

RW
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.658.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Honey 7-2-08
Wendell W. Honey, P.E. No. 54158

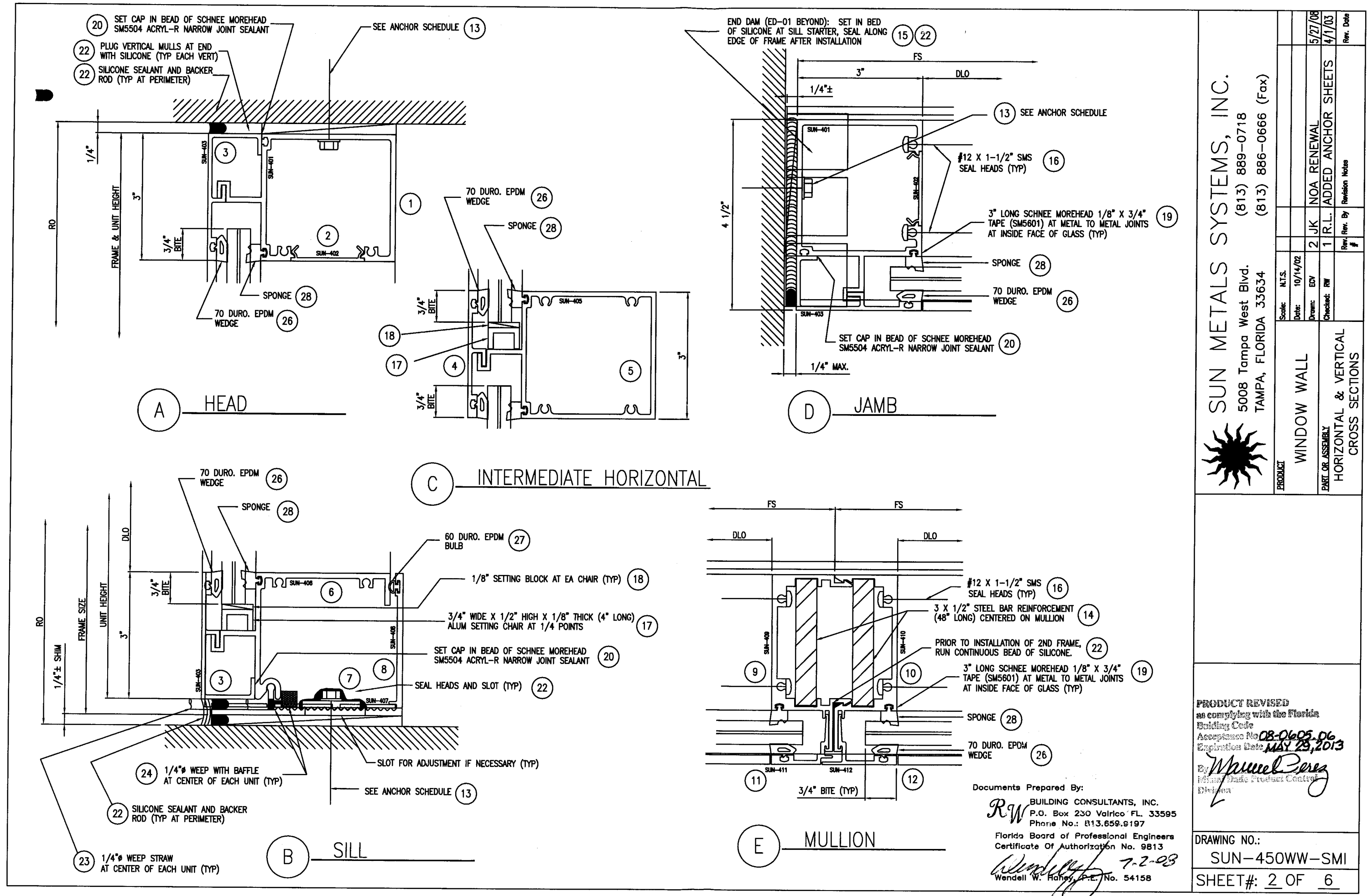
SUN METALS SYSTEMS, INC.
5008 Tampa West Blvd.
TAMPA, FLORIDA 33634
(813) 889-0718
(813) 886-0666 (Fax)



Scale: N.T.S.	10/14/02	2 JK	NOA RENEWAL	5/27/08
Date:	10/14/02	1 R.L.	ADDED ANCHOR SHEETS	4/1/03
Drawn: EBY		Rev. By	Revision Notes	Rev. Date
Checked: RW				

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. *08-0605.D6*
Expiration Date *MAY 29, 2013*
By *Manuel Perez*
Miami/Dade Product Control
Division

DRAWING NO.:
SUN-450WW-SMI
SHEET #: 1 OF 6



SUN METALS SYSTEMS, INC.
5008 Tampa West Blvd.
TAMPA, FLORIDA 33634
(813) 889-0718
(813) 886-0666 (Fax)

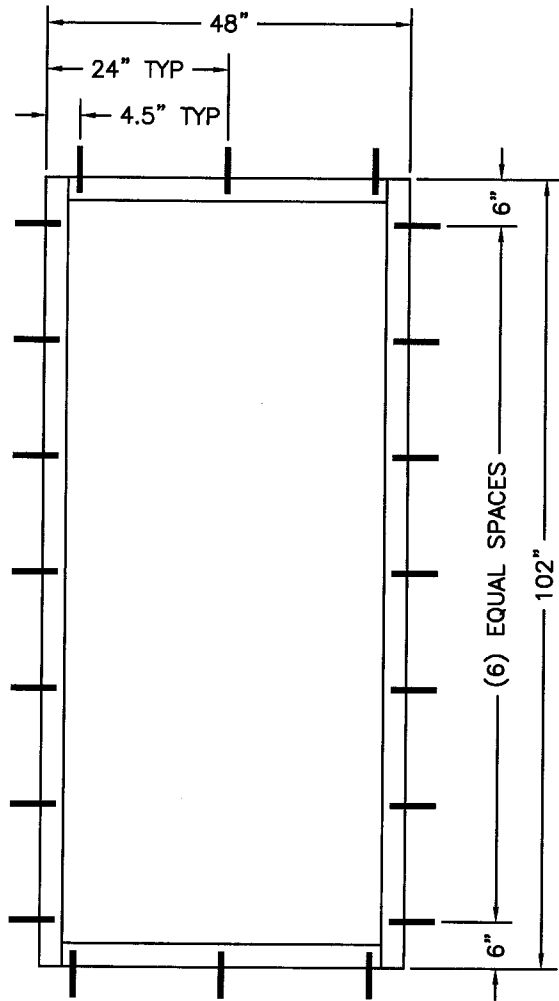
Scale:	N.T.S.	10/14/02	NOA RENEWAL	5/27/08
Date:	10/14/02	ECV	2 JK	4/1/03
Drawn:	ECV	Rev. By	1 R.L. ADDED ANCHOR SHEETS	Rev. Date
Checked:	RW	#		
Product	WINDOW WALL			
Part or Assembly	HORIZONTAL & VERTICAL CROSS SECTIONS			

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-0605-06
Expiration Date MAY 28, 2013
By *Manuel Perez*
Miami Made Products Control
Division

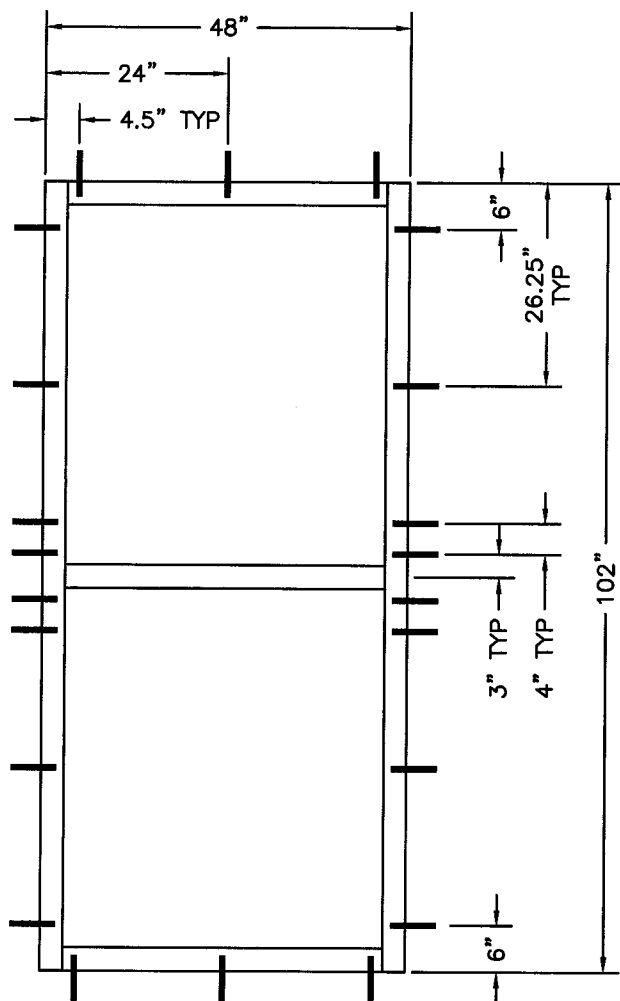
Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.8197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Haney 7-2-08
Wendell W. Haney, P.E. No. 54158

DRAWING NO.:
SUN-450WW-SMI
SHEET#: 2 OF 6

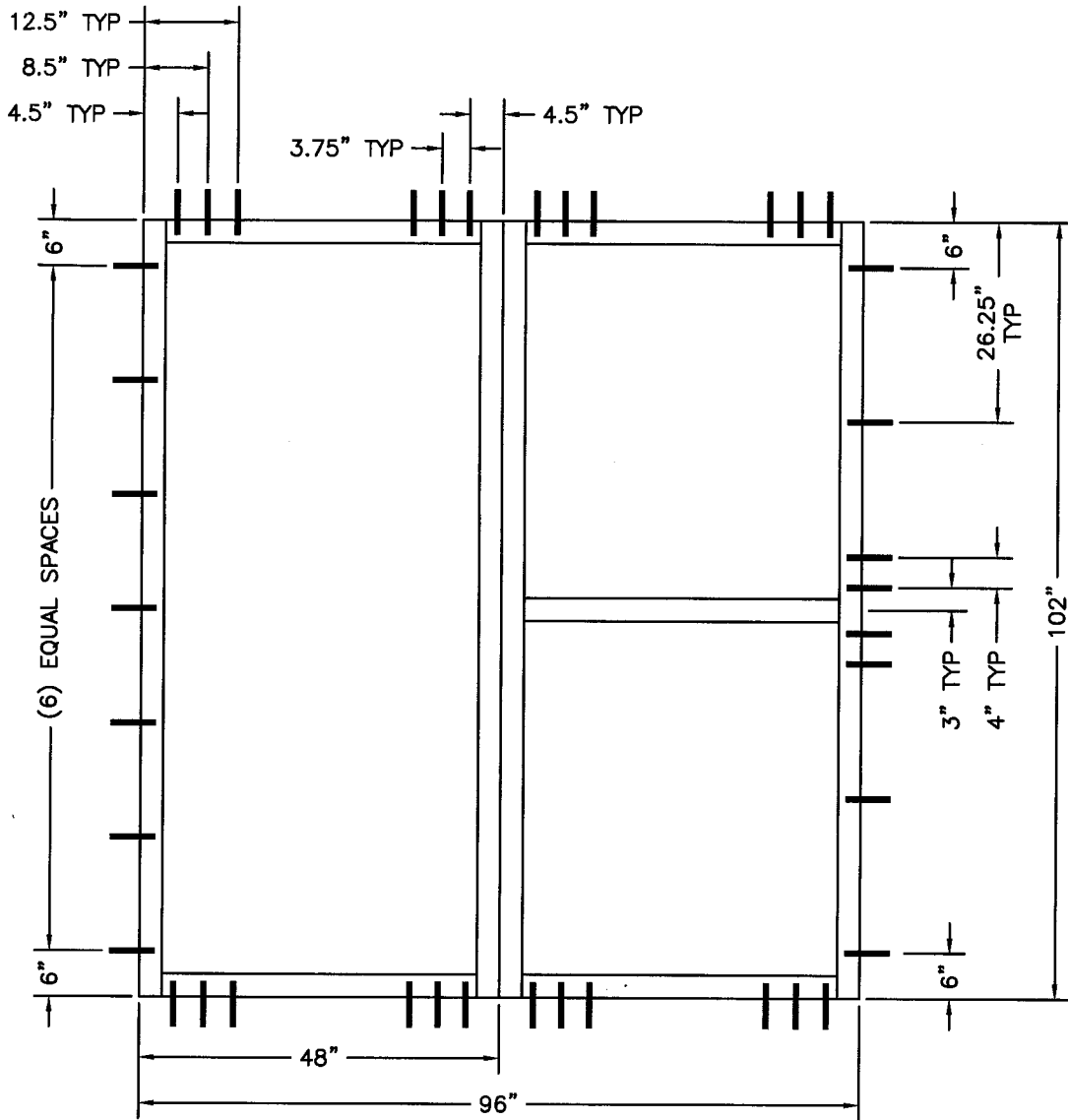
R:\A - Projects\Project Folders\Proj 000 - 250\pf153\Documents\SUN-450WW-SMI REV2 .25" SHIM\SUN-450 sm sht REV2-4.dwg, Model



SINGLE LIGHT
PUNCH WINDOW



DOUBLE LIGHT
PUNCH WINDOW



CONTINUOUS WINDOW WALL
SINGLE AND/OR DOUBLE LITE

ANCHOR SCHEDULE

SUBSTRATE	ANCHOR
2X WOOD	3/8" PFH WOOD SCREW WITH MINIMUM 2.25" PENETRATION INTO SUBSTRATE. SG => 0.55 FOR THE WOOD SUBSTRATE.



SUN METALS SYSTEMS, INC.
5008 Tampa West Blvd.
TAMPA, FLORIDA 33634
(813) 889-0718
(813) 886-0666 (Fax)

PRODUCT	WINDOW WALL	Scale: N.T.S.	Rev. Date
DATE	10/14/02	Rev. By	5/27/08
DRAWN	EDV	Rev. By	4/1/03
CHECKED	RW	Rev. By	
PART OR ASSEMBLY	3/8" WOOD SCREW ANCHOR ELEVATIONS	Rev. By	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-0605.06
Expiration Date MAY 29, 2013
By *Manuel Torres*
Miami Trade Product Control
Division

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.658.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Haney 7-2-98
Wendell W. Haney, P.E. No. 54158

DRAWING NO.:
SUN-450WW-SMI
SHEET#: 4 OF 6

Technical drawing of a rectangular panel with the following dimensions and annotations:

- Overall width: 48"
- Distance from left edge to first vertical line: 24"
- Distance between vertical lines: 4.5" TYP
- Overall height: 102"
- Distance from top edge to first horizontal line: 6"
- Distance between horizontal lines: 26.25" TYP
- Distance from bottom edge to last horizontal line: 6"
- Distance from right edge to last vertical line: 3" TYP
- Distance from right edge to first vertical line: 4" TYP

[illegible]

SUBSTRATE	ANCHOR
CONCRETE	5/16" ITW TAPCON ANCHORING FRAME REQUIRE A MINIMUM 1-3/4" EMBEDMENT, 1-9/16" CLEARANCE TO MASONRY EDGEIMUM S AND A MIN 3-3/4" CLEARANCE TO ADJACENT TAPCONS. MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301
WOOD 1X	5/16" ITW TAPCON ANCHORING FRAME (THROUGH THE FRAME AND 1X INTO MASONRY) REQUIRE A MINIMUM 1-3/4" EMBEDMENT, 1-9/16" CLEARANCE TO MASONRY EDGEIMUM S AND A MIN 3-3/4" CLEARANCE TO ADJACENT TAPCONS. MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301

PRODUCT	Scale:	N.T.S.			
WINDOW WALL	Date:	10/14/02			
	Drawn:	ECV			
	Checked:	RW	2	JK	NOA RENEWAL
			1	R.L.	ADDED ANCHOR SHEETS
PART OR ASSEMBLY			Rev. #	Rev. By	Rev. Date
5/16" TAPCON ANCHOR ELEVATIONS					4/1/03

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-0605-06
Expiration Date MAY 29, 2013
By Maureen Sere
Miami Trade Product Control
Division

DRAWING NO.:	SUN-450WW-SMI
SHEET#:	6 OF 6